

Subject: Re: [Sphenix-intt-l] Weekly INTT Meeting <minutes>

From: Itaru Nakagawa <itaru@riken.jp>

Date: 2023/05/19 0:56

To: sphenix-intt-l@lists.bnl.gov

Dear all,

Here is the minutes from today's meeting:

o BWSel parameter of FPHX study <Yuka>

- Executed DAC scan with BWSel=4 and 8 using cosmic rays.

- The calculated capacitance from their measurement is 0.64 pF, while the expected capacitance is 2.5 for Type-A and 3 for Type-B from the simple scaling from FVTX capacitance is 1~2.5pF (2~11mm) according to FVTX NIM. **Itaru** will ask Hamamatsu about the capacitance/strip. The estimation is given in https://indico.bnl.gov/event/19552/contributions/76600/attachments/47583/80737/230217_FPHX_Optimization.pdf

- The Yuka's slide was updated in the indico page since there was some typo in the original one.

o Software rules <Takashi>

- Portable analysis software developed by each members are to be kept under INTT/analysis/. This directory is aimed for common use not a personal use. Any personal use oriented software to be kept under INTT/general_codes

- OnlineMonitor has been already kept under the designated directory suggested by Chris,

- **Software developers** are to move your analysis programs to be suggested directories by Takashi.

o Commissioning plan ~ Timing Tune ~ <itaru>

- There are 5 timing parameters to be optimized at the very beginning of the commissioning.

- The expected data timing window is 7~8 BCO's, but can be extended longer depending on the 4BCLK delay of hits from FPHX to ROC and possible maximum hits/BCO from FPHX. This has to be confirmed during this study as well. The hit multiplicity analysis software was developed by Cheng-Wei and succeeded to Mai.

- **Itaru** ask Raul about the event structure data format formation at Felix and how the Packet ID is stored in the data packet.

Regards,

-itaru

On 2023/05/17 22:50, Itaru Nakagawa wrote:

Dear all,

We'll have the weekly meeting in following time.

May 18th Thursday 9PM in BNL = May 19th Friday 10AM in Japan = Friday 9AM in Taiwan

*indico

<https://indico.bnl.gov/event/19552/>

*Zoom

<https://zoom.us/j/92149923535>

Best regards,

-itaru

Sphenix-intt-l mailing list

Sphenix-intt-l@lists.bnl.gov

<https://lists.bnl.gov/mailman/listinfo/sphenix-intt-l>

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